

GPS Synchronized Interrupters



CI-15 Mini Interrupter

The 15 amp DC Mini Interrupter is the ideal GPS synchronized interrupter for interrupting bonds and magnesium anode beds or low output rectifiers.

CI-25 and CI-50 Interrupters

The CI-25 and CI-50 GPS synchronized interrupters are used to interrupt a variety of rectifiers around the world.



CI-100 and CI-200 Interrupters

The CI-100 and CI-200 GPS synchronized interrupter are ideal for interrupting large rectifiers.



CI-3PH 3-Phase Interrupter

The CI-3ph is designed to interrupt the 3 phase supply to large offshore rectifiers and can handle up to 50 amps per phase.



CIM-50

Designed to be mounted on a rectifier cabinet.

- 50 amps, AC or DC
 - GPS synchronized
 - Internal mechanical relay
 - Powered by local AC
 - Network controlled
 - ⇒ Ethernet
 - ⇒ SCADA pulse
- Indoor or outdoor application.



Features*	CI-15	CI-25	CI-50	CI-100	CI-200	CI-3PH
Maximum Amps DC	15	25	50	100	200	
Maximum Volts DC	60	100	100	250	250	
Maximum Amps AC				100	200	50/PH
Maximum Volts AC				600	600	600
Electronic Relay	✓	✓	✓			
Mechanical Relay				✓	✓	✓
GPS Synchronized Interruption	✓	✓	✓	✓	✓	✓
5 Programs	✓	✓	✓	✓	✓	✓
Programmable Through RS-232 Port	✓					
4 Line LCD Display		✓	✓	✓	✓	✓
16 Key Keypad		✓	✓	✓	✓	✓
Interruption Cables	✓	✓	✓	✓	✓	✓
GPS Antenna, Magnet Mount	✓	✓	✓	✓	✓	✓
Battery Charger Cable	✓	✓	✓	✓	✓	✓
Rechargeable NiMH Battery	✓	✓	✓	✓	✓	✓
Internal Cable Storage		✓	✓	✓	✓	✓
12V External Battery Terminals		✓	✓	✓	✓	✓
Owner's Manual	✓	✓	✓	✓	✓	✓
2 Year Warranty	✓	✓	✓	✓	✓	✓

* See product literature for detailed specifications.

Distributed by:

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CATH-TECH

Corrosion Control Equipment

Professional Pipeline Integrity Survey Instruments



Cathodic Technology Limited

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Instruments & Supplies
Training & Consulting



The Hexcorder Millennium

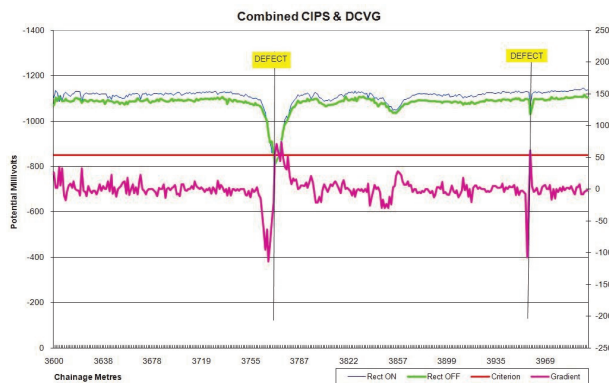
The world's most advanced External Corrosion Direct Assessment (ECDA) instrument capable of simultaneous close interval potential survey (CIPS) and direct current voltage gradient (DCVG) surveys. The Hexcorder Millennium meets the requirements of NACE International Standard Practice SP0502-2008 specification for indirect inspection of buried pipelines.



Why do two surveys? You can gather the information required to meet the ECDA requirement in one pass with the Hexcorder Millennium. The Hexcorder Millennium can simultaneously record the rectifier on and instant off pipe-to-soil potentials along with the voltage gradient, date, time and GPS information.

The Hexcorder Millennium comes complete with everything you need to undertake a survey, even your first spool of light survey wire. The Hexcorder Millennium can display the readings numerically and/or graphically. The Hexcorder Millennium is equipped with the exclusive Cath-Tech waveform software allowing you to record electrical activity on the pipeline right on the right-of-way. The Hexcorder Millennium records 2,000 values per second for the duration of the rectifier interruption cycle.

You probably already own the software required to analyze the ASCII comma delimited data from the Hexcorder Millennium. Windows HyperTerminal is used to download and capture the data. Any spreadsheet program such as Excel, Quattro-Pro, OpenOffice etc. will graph the data., or it can be imported into your own database.



NO SPECIAL SOFTWARE REQUIRED

Features:

- >100 dB AC rejection in survey mode
- 1 x 12 bit high speed A/D (2,000 readings/second)
- Input impedance 10 to 250 MOhms
- Measurement range +/- 5000 mV DC
- Display 64 x 240 dot paper white LCD
- Keyboard 40 key QWERTY configuration
- Battery 7.2 volt 4500 mAH NMH rechargeable
- 1 M Byte CMOS non volatile memory expandable
- RS-232 port
- 12 satellite WAAS/EGNOS enabled GPS engine
- Rugged machined aluminium case
- Software upgradeable
- Optional sub-meter GPS antenna available
- Optional on-site survey training is available



The Cath-Tech backpack is designed to dispense #32 gauge light survey wire. The backpack is equipped with a counter to measure the wire dispensed and can accommodate spools of wire up to 10 miles, 16 Km in length which minimizes down time for the survey crew.

The Cath-Tech hip pack is designed to hold spools of light survey wire, #32 gauge. The hip pack is equipped with a counter to measure the wire dispensed and can accommodate spools of wire up to 1.25 miles, 2 Km in length



Smart Logger II

Dual channel, dual mode data logger with GPS for stray and telluric correction of CIPS data, and recording of electrical events on pipelines and other metallic structures.

Features:

- Channel 1 selectable +/- 5000 mV and +/- 25000 mV
- Channel 2 +/- 50 mV
- 12 satellite GPS/WAAS engine
- 1 M Byte CMOS memory
- 7.2 volt 4,500 mAH rechargeable battery
- Large 64 x 240 graphic LCD display
- RS-232 port for communication
- Output ASCII comma delimited text file, no special software is required



CorrReader

The Cath-Tech CorrReader data recorder will quickly and easily document critical CP data at test stations, rectifiers, risers, valves, tank bottoms, custody transfer points, bonds, etc... anywhere, anytime you can make a physical connection to the structure. The CorrReader is ideal for routine test station surveys or random spot checks, no more hand written field notes!

Features:

- Single channel, AC & DC
- DC range of +/-10V, 0.1mV precision
- AC range of 100V, 1mV precision
- 10 MΩ input resistance
- Operator programmable survey cycles
- Fully integrated internal GPS
- Micro SD card memory with USB interface
- IP 65, NEMA 4 case with watertight connectors
- Output ASCII comma delimited text file, no special software is required



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